

# VB-M700F FIXED NETWORK CAMERA

## Sleek, Fixed Megapixel

Streamlined in appearance, the Canon VB-M700F fixed network camera provides outstanding image quality (even in low-light), built-in video analytics, conformance to the ONVIF (Open Network Video Interface Forum) interoperability standard, and many other advanced features. The VB-M700F is outfitted with a Genuine Canon 102.5° wide angle lens, a 1/3-inch high-sensitivity 1.3 Megapixel CMOS image sensor, and a Canon **DiGiC NET** image processor for simultaneous transmission of high-quality video of up to 1280x960/30 fps in M-JPEG and bandwidth-saving H.264. Proprietary Canon image processing built into the VB-M700F includes Smart Shade Control, which automatically adjusts the contrast between bright and dark image areas for optimum detail display, as well as a special Night Mode that increases sensitivity in low-light environments. The VB-M700F is also equipped with On-board Video Analytics including Moving Object Detection, Removed Object Detection, Abandoned Object Detection and alerts for Camera Tampering and Volume Detection. User-adjustable in terms of the detection areas (sizes and shapes), these Intelligent Features can engage configured alarms and notification functions.



## Key Features

- ▶ 102.5° Wide Angle Lens
- ▶ ONVIF version 1.02 Conformant Product
- ▶ 1.3 Megapixel CMOS Sensor
- ▶ Brilliant Low-light Performance - color video down to 0.018 Lux\* and B/W video down to 0.001 Lux\*
- ▶ Canon's Unique Easy Setup Tool
- ▶ On-board Video Analytics



*The Privacy Mask Function blocks certain sensitive areas of the camera view (such as ATM keypads) while still allowing a full field of view.*

- ▶ H.264 and JPEG
- ▶ **DiGiC NET** Processor

## Recommended For:

- ▶ Financial Institutions
- ▶ Transportation Centers
- ▶ Retail Stores
- ▶ Hotels
- ▶ Educational Institutions
- ▶ Gaming Establishments

# VB-M700F

# VB-M700F

PRODUCT NAME: VB-M700F ITEM CODE: 4961B001 UPC CODE: 13803134780

## SPECIFICATIONS

CAMERA UNIT	IMAGE SENSOR	1/3" 1.3 Mega Pixel CMOS Sensor		
	TOTAL NUMBER OF PIXELS	Approx. 1.3 Million Pixels		
	SCANNING METHOD	Progressive Scan		
	ZOOM	3x Optical Zoom		
	ANGLE OF VIEW	102.5° (W) / 34.2° (T)		
	FOCAL LENGTH	F=2.8 (W) – 8.4 mm (T)		
	F-NUMBER	F1.2 (W) - 2.0 (T)		
	DAY/ NIGHT MODE	Auto / Manual		
	IR CUT FILTER	Yes		
	MINIMUM ILLUMINATION	COLOR	0.018 (F 1.2, 1/8 Sec, SSC On)	
		B & W	0.001 (F 1.2, 1/8 Sec, SSC On)	
	FOCUS	One-shot AF / Manual / Fixed at Infinity		
	FOCUS RANGE	Day Mode: 1 ft / Night Mode: 3.3 ft		
	AUTO EXPOSURE	Auto / Flickerless / Shutter Priority AE / Manual		
	SHUTTER SPEED	1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000 sec.		
	WHITE BALANCE	Auto / Select Light Source (Warm Fluorescent, White Fluorescent, Daylight Fluorescent, Mercury Lamp, Sodium Lamp, Halogen Lamp) / Lock (One-shot WB) / Manual		
	METERING MODE	Center-Weighted / Average / Spot		
	EXPOSURE COMPENSATION	7 Levels		
	SMART SHADE CONTROL	7 Levels		
	VIDEO COMPRESSION METHOD	H.264 / JPEG		
OUTPUT IMAGE/VIDEO SIZE	H.264	1280 x 960, 640 x 480, 320 x 240		
	MJPEG	1280 x 960, 640 x 480, 320 x 240, 160 x 120		
VIDEO QUALITY	H.264	5 Levels		
	MJPEG	5 Levels		
FRAME RATE	H.264	10 / 15 / 30 fps		
	MJPEG	0.1 - 30 fps		
MAXIMUM FRAME RATE	H.264	30 fps @ 1280 x 960		
	MJPEG	30 fps @ 1280 x 960		
SIMULTANEOUS CLIENT ACCESS	H.264	10 clients		
	MJPEG	30 Clients		
AUDIO COMPRESSION METHOD	G.711 μ-LAW (64kbps)			
AUDIO COMMUNICATION	2-Way Full Duplex			
AUDIO PLAYBACK	Audio files can be played on event detection			
PROTOCOL	IPV4	TCP / IP, UDP, HTTP, FTP, SNMP (MIB2), SMTP (client), DHCP (client), DNS (client), ARP, ICMP, POP3, NTP, SMTP authentication, WV-HTTP (Canon protocol), ONVIF		
	IPV6	TCP / IP, UDP, HTTP, FTP, SMTP (client), DNS (client), ICMPv6, POP3, NTP, SMTP authentication, WV-HTTP (Canon protocol), ONVIF		
COMMUNICATION ENCRYPTION	HTTPS, IPsec			
CAMERA CONTROL USER TYPES	Administrator / Authorized Users / Guests			
VIEW RESTRICTION	Available			
PRIVACY MASK	Up to 8 locations			
CONNECTION RESTRICTION	Username / password, IP address restriction			
VIDEO ANALYTICS (Intelligent Function)	Image: Moving Object Detection / Removed Object Detection / Abandoned Object Detection / Camera Tampering Detection Field of Detection: Max. 15 places			
	Sound: Volume Detection			
IMAGE UPLOAD	JPEG: FTP / HTTP / SMTP			
TEMPORARY STORAGE	Removable SD / SDHC card (up to 32gb), up to 1fps			
EVENT NOTIFICATION	HTTP / SMTP (e-mail)			
DISPLAY LANGUAGES	English / Japanese / French / Italian / German / Spanish			
INTERFACE	NETWORK	1 RJ-45 (100Base-TX, Negotiation: auto / full / half, IEEE 802.3af)		
	AUDIO TERMINALS	INPUT	1 Mini-Jack Connector (Mono), LINE IN or MIC IN	
		OUTPUT	1 Mini-Jack Connector (Mono), LINE OUT	
EXTERNAL DEVICE I / O TERMINAL	Input x 2 / Output x 2			
OPERATING TEMPERATURE	TEMPERATURE / HUMIDITY 14°–122° F / -10°–50° C / 5–85%RH (No Condensing)			
POWER SUPPLY	PoE	via LAN Connector (IEEE802.3af compliant)		
	OPTIONAL AC ADAPTER	AC 100V - 240V (PA-V17)		
	OPTIONAL EXTERNAL POWER	AC 24V / DC 12V		
POWER CONSUMPTION	WITH PoE	5.9 W **		
	WITH OPTIONAL AC ADAPTER	6.9 W **		
	DC 12V	5.7 W **		
	AC 24V	5.4 W **		

\*\*Approximately

## SPECIFICATIONS (cont.)

OTHER	BUNDLED SOFTWARE	VB Tools, RM-Lite , Camera Angle Setting Tool
	DIMENSIONS (H X W X L)	2.56 x 3.15 x 7.56 in. (65.0 x 80.01 x 192.02 mm)
	WEIGHT	1.53 lbs. (0.69 kg)

## OPTIONAL ACCESSORIES

ITEM CODE NO.	DESCRIPTION
2245B001	PA-V17 AC Adapter

## OPTIONAL SOFTWARE

ITEM CODE NO.	DESCRIPTION
4973B001	RM-Lite-V (Additional Installation License)

\*Ratings based on F1.2, 1/8 second and Smart Shade Control on.

## On-Board Video Analytics

The VB-M700F includes a variety of Video Analytics

- Moving Object Detection
- Removed Object Detection
- Abandoned Object Detection
- Volume Detection
- Camera Tampering Detection



The detection area (sizes and shapes) can be finely tuned allowing for precise event detection by the camera, while advanced notification tools can notify predesignated parties, saving valuable response time.

The VB-M700F also includes a Privacy Mask Function which can be used to block selected areas of the camera's view. In sensitive locations where surveillance is required but particular areas can't be seen or recorded – such as door entry or ATM keypads, computer monitors or apartment windows – a Privacy Mask will hide that area while still allowing a full range of motion.

©2011 Canon U.S.A., INC. All rights reserved. Specifications and availability are subject to change without notice. Weight and dimensions are approximate. All images and effects are simulated. Canon and DIGIC are registered trademarks of Canon Inc. in the United States and may also be registered trademarks in other countries. IMAGEANYWARE is a trademark of Canon. "ONVIF" and ONVIF are trademarks of ONVIF Inc. Other names and products not mentioned above may be registered trademarks or trademarks of their respective companies. Warning: Unauthorized recording of copyrighted materials may infringe on the rights of copyright owners and be contrary to copyright laws.

**Canon**  
image*ANYWARE*

For more info:  
Call 1-800-OK-CANON (1-800-652-2666)  
[www.usa.canon.com/professional](http://www.usa.canon.com/professional)

0156W975